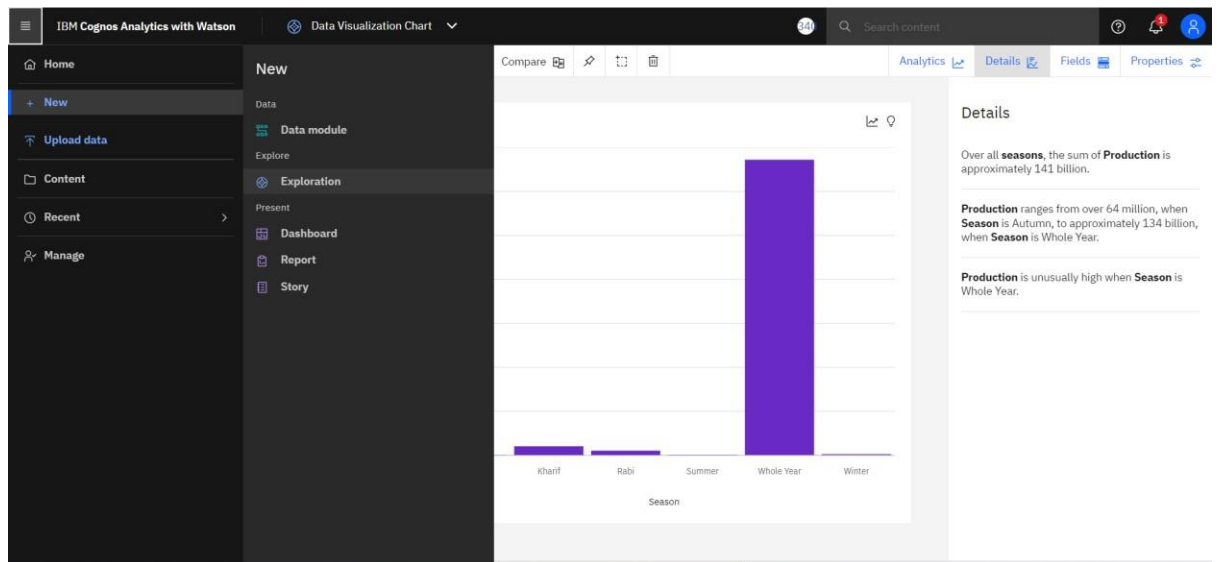


Sprint – 2

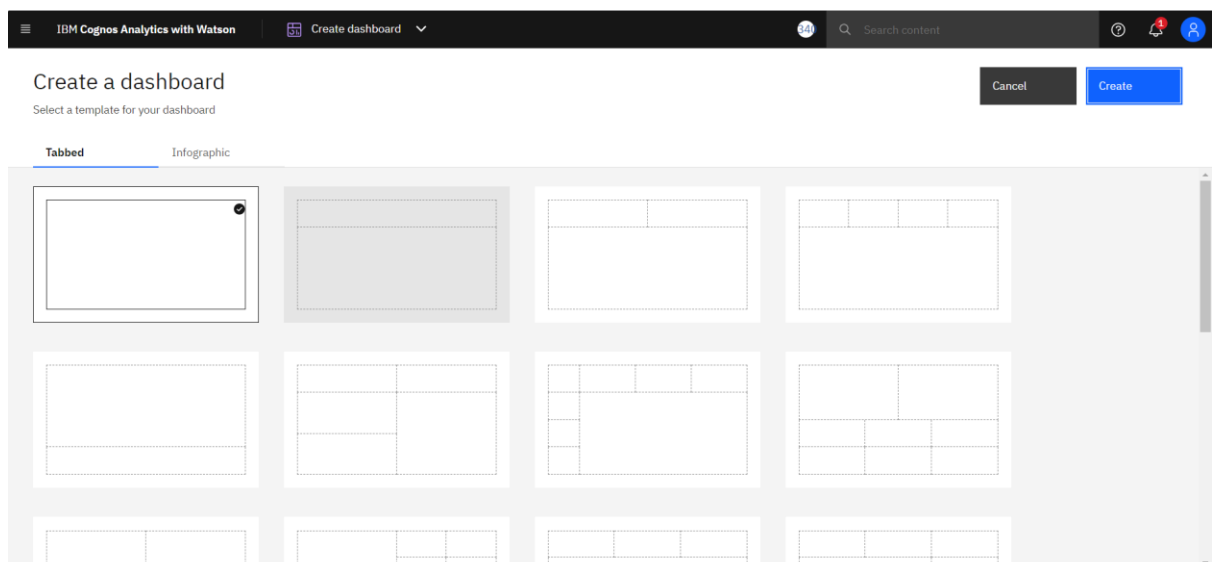
Date	04 November 2022
Team ID	PNT2022TMID28181
Project Name	Estimate the crop yield using Data Analytics

Data Visualization Charts:

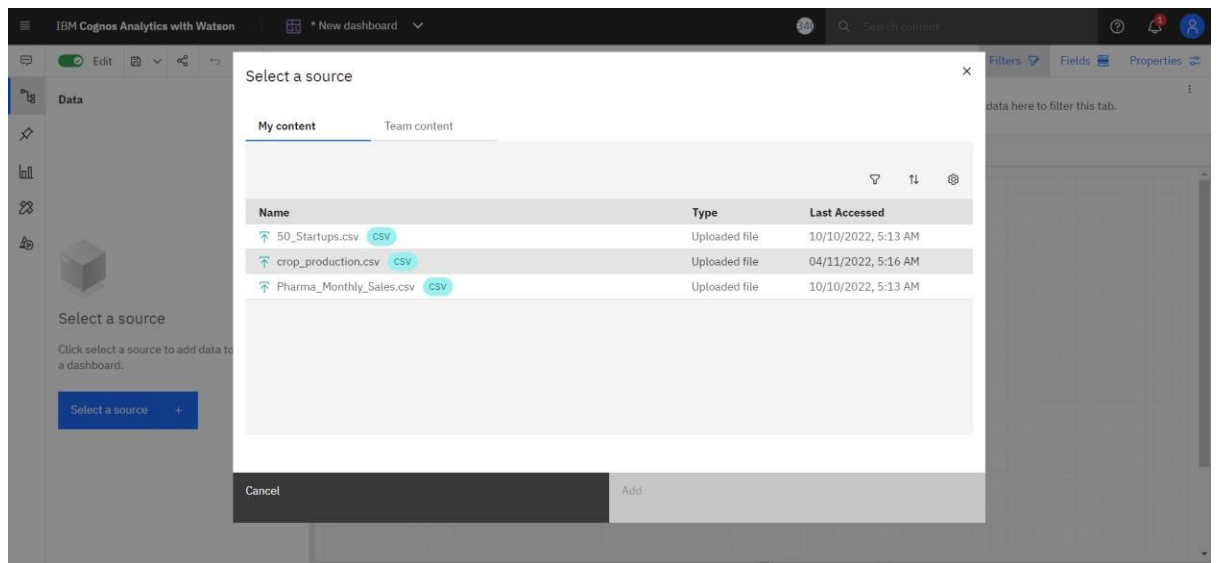
- Login to IBM Cognos then in open menu click **New -> Dashboard** .



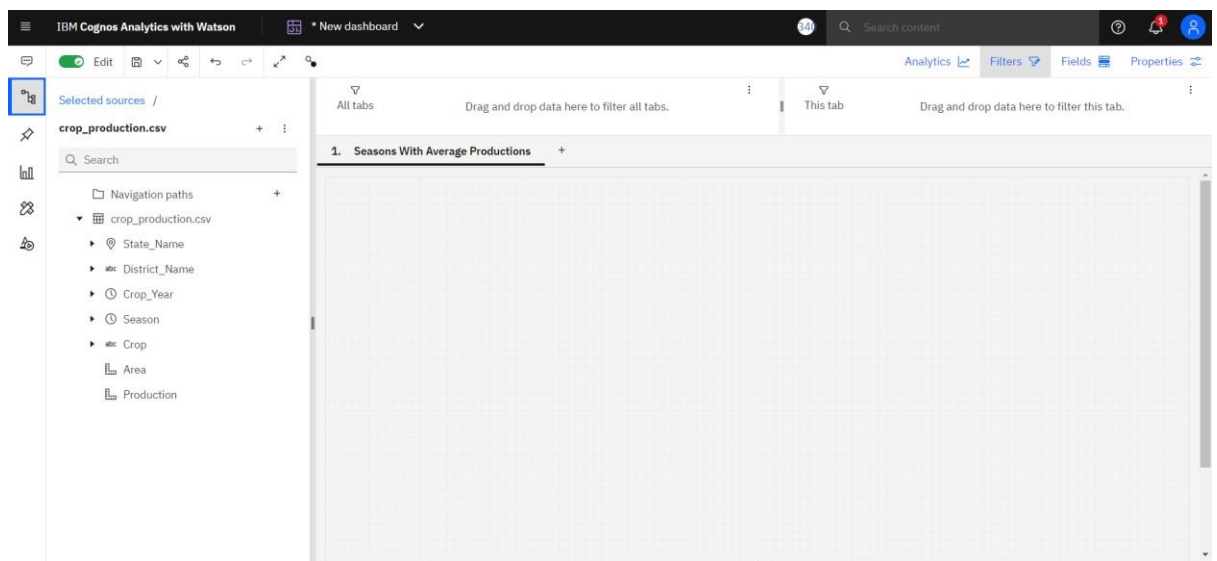
- Select a template for your dashboard and click create.



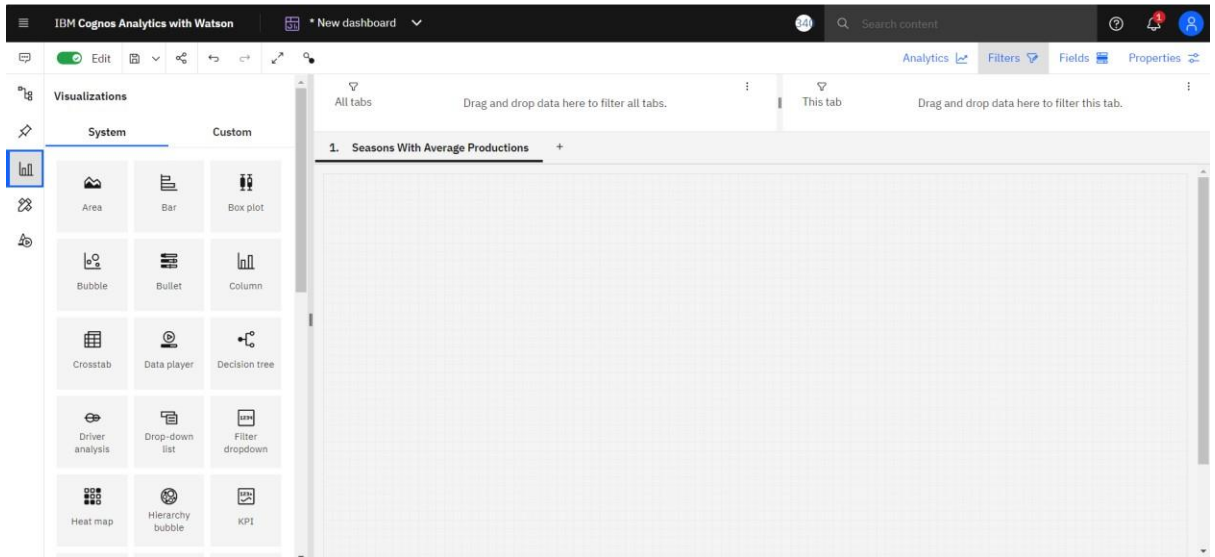
- Then select the **crop_production.csv** dataset under my content tab and click **add** In Add a source.



- Rename the tab title

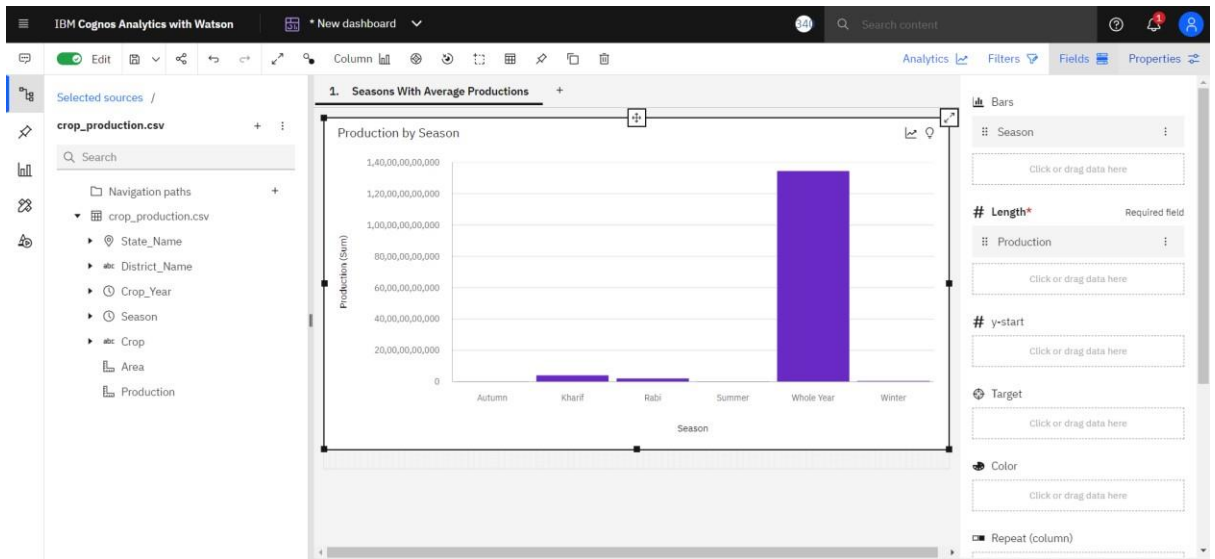


- Select the visualizations and select the system you want.



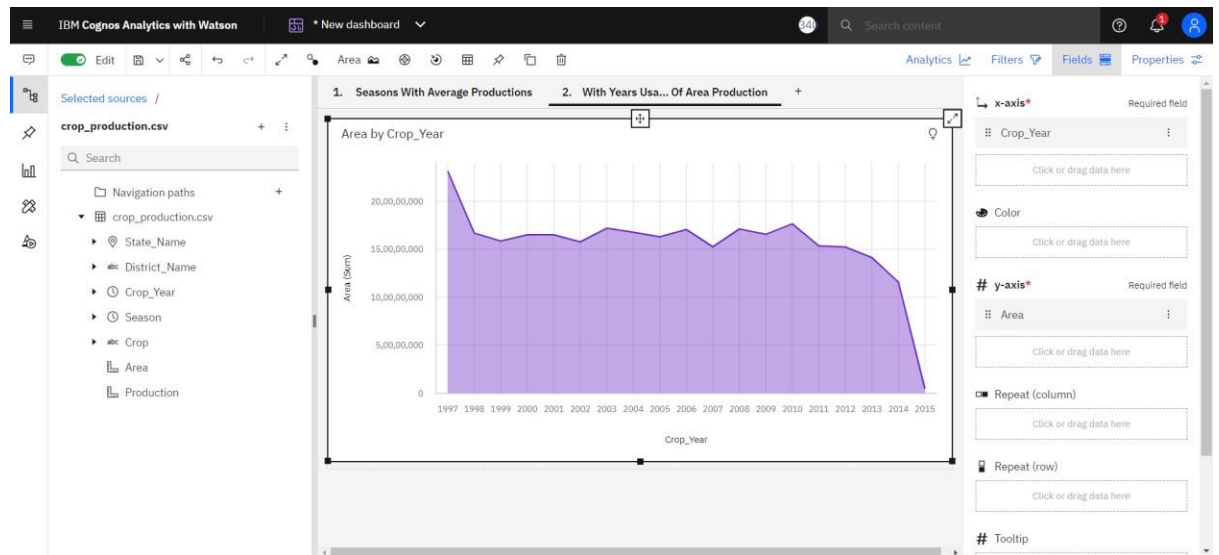
1. Seasons With Average Productions

- Select the column in choose visualization and in fields select “Season” for Bars and “Production” for Length.



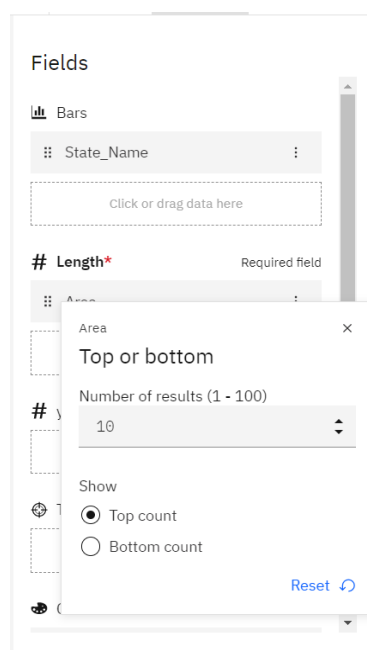
2. With Years Usage Of Area Production

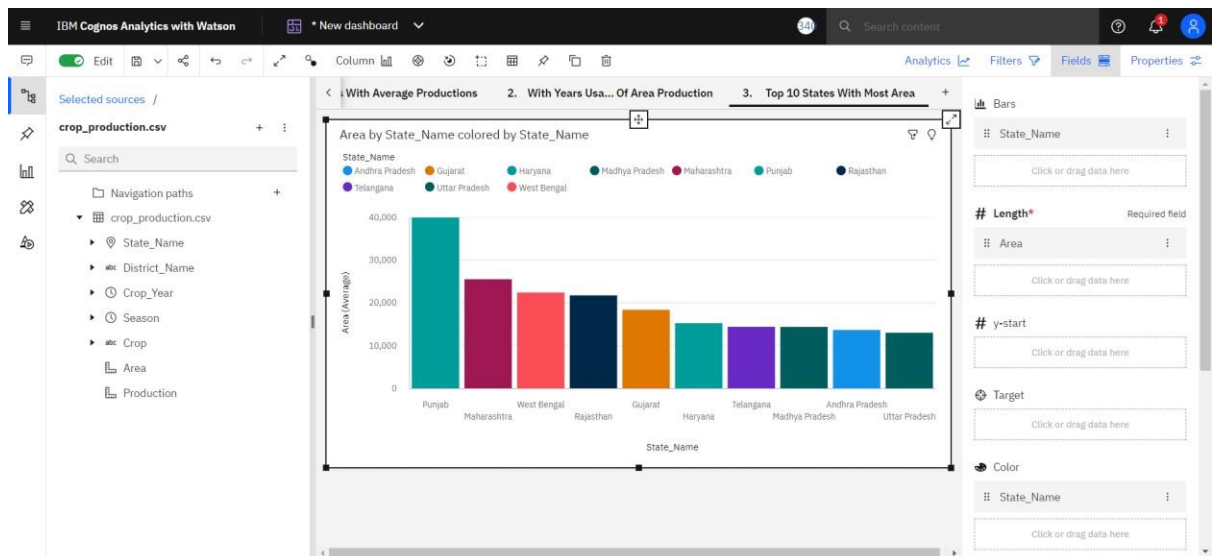
- Select the Area in choose visualization and in fields select "Crop_Year" for X-axis and "Area" for Y-axis.



3. Top 10 States With Most Area

- Select the column in choose visualization and in fields select "State_Name" for Bars , "Area" for Length "State_Name" for Color.
- Select three dots in Area -> Summarize -> Average.
- In Area click on the three dots then select Top or bottom
- In Number of Result Enter 10 and select the **Top count** .





4. State With Crop Production

- Select the Map in choose visualization and in fields select “State_Name” for Location and “State_Name and Crop” for Location Color.
- Click three dots in the Crop then select filter and choose particular crop that you want then click done.

Crop

Filter

Add a filter condition +

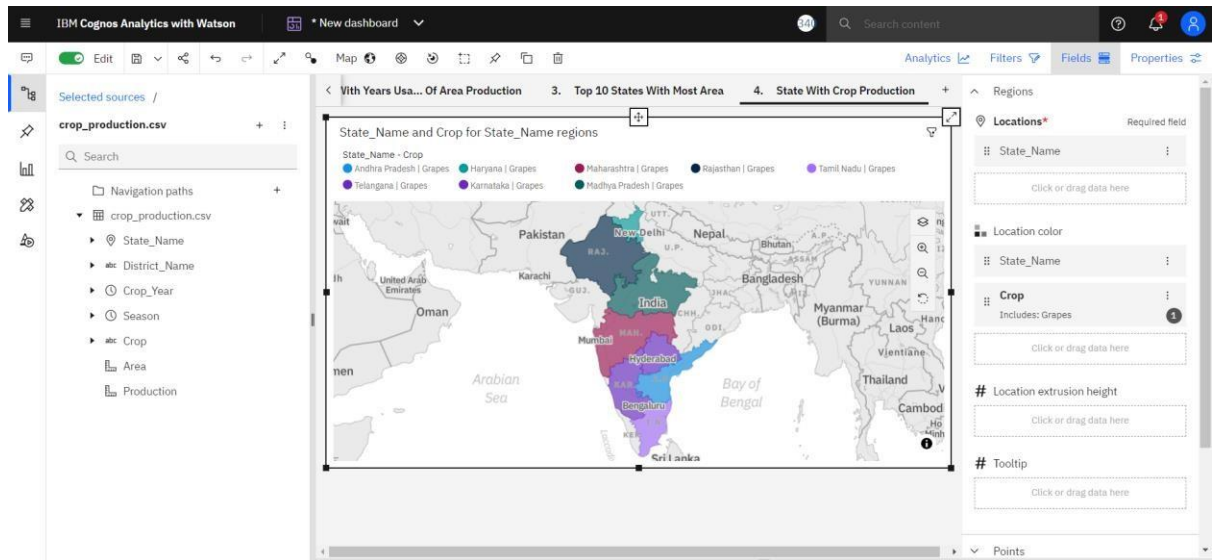
Grapes

Clear all

Invert

Cancel

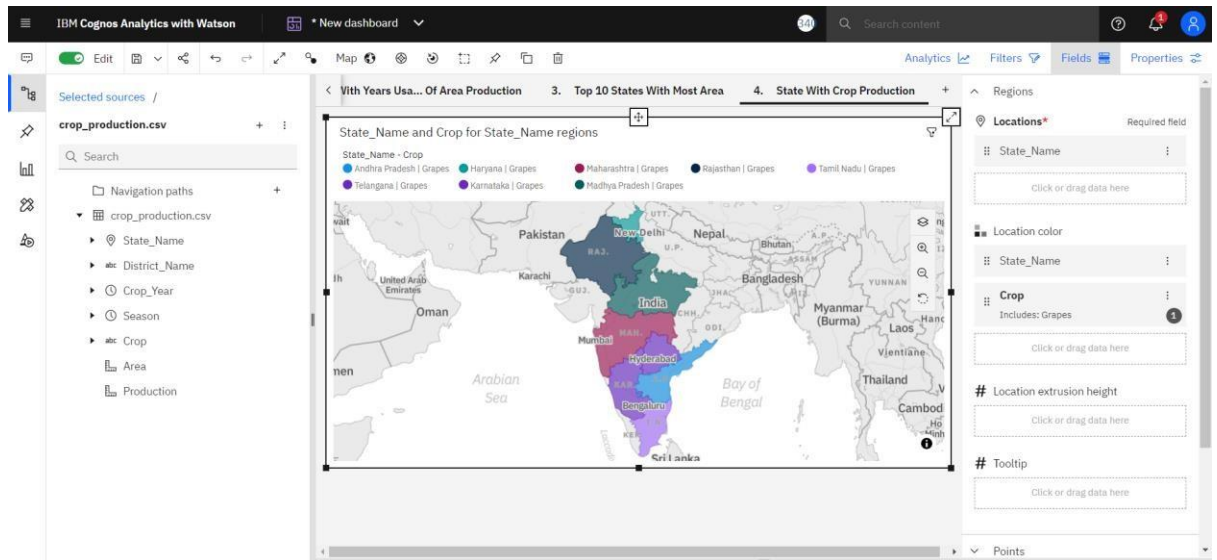
Done



5. State With The Crop Production Along With Season(Text Table)

- Select the table in choose visualization and in fields select “State_Name and Crop(sort : Grapes)” for Columns this is for Table 1
- Again Select the table in choose visualization and in fields select “Crop(sort : Grapes) and Season” for Columns this is for Table 2

State_Name	Crop
Andhra Pradesh	Grapes
Haryana	Grapes
Karnataka	Grapes
Madhya Pradesh	Grapes
Maharashtra	Grapes
Rajasthan	Grapes
Tamil Nadu	Grapes
Telangana	Grapes



IBM Cognos Analytics with Watson

New dashboard

Search content

Edit

Analytics

Filters

Fields

Properties

Selected sources /

crop_production.csv

Navigation paths

- crop_production.csv
 - State_Name
 - District_Name
 - Crop_Year
 - Season
 - Crop
 - Area
 - Production

Top 10 States With Most Area

4. State With Crop Production

5. State With Th...n Along With Season

State_Name and Crop

Crop	State_Name
Grapes	Andhra Pradesh
	Haryana
	Karnataka
	Madhya Pradesh
	Maharashtra
	Rajasthan
	Tamil Nadu
	Telangana

Season and Crop

Season	Crop
Kharif	Grapes
Whole Year	Grapes

No visualization selected

Select a visualization to manage the field settings.